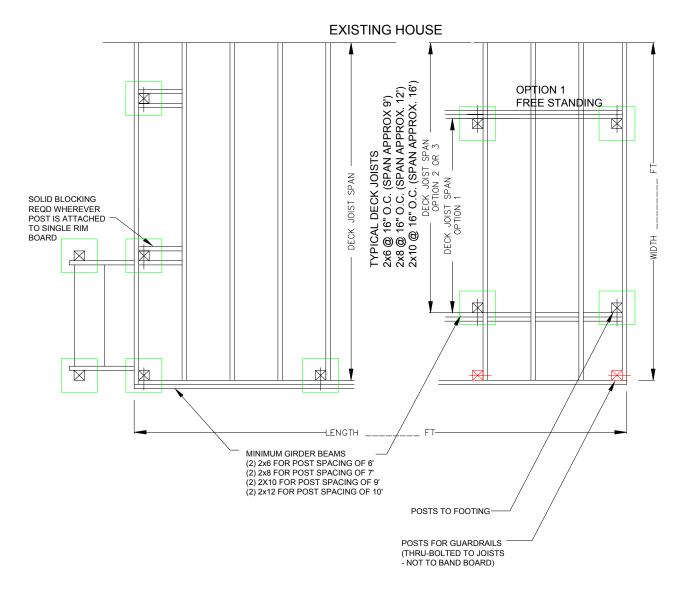
DECK DESIGN

THESE DESIGN SHEETS ARE PROVIDED FOR A SIMPLE, SINGLE LEVEL HOUSE DECK. IF A HOT TUB OR OTHER SPECIAL USE IS INTENDED, SEE A DESIGN PROFESSIONAL. THERE ARE MANY EXCELLENT REFERENCE BOOKS AVAILABLE FROM HARDWARE STORES, LIBRARY OR THE INTERNET TO PROVIDE CUSTOM DESIGNS AND CONSTRUCTION METHODS.

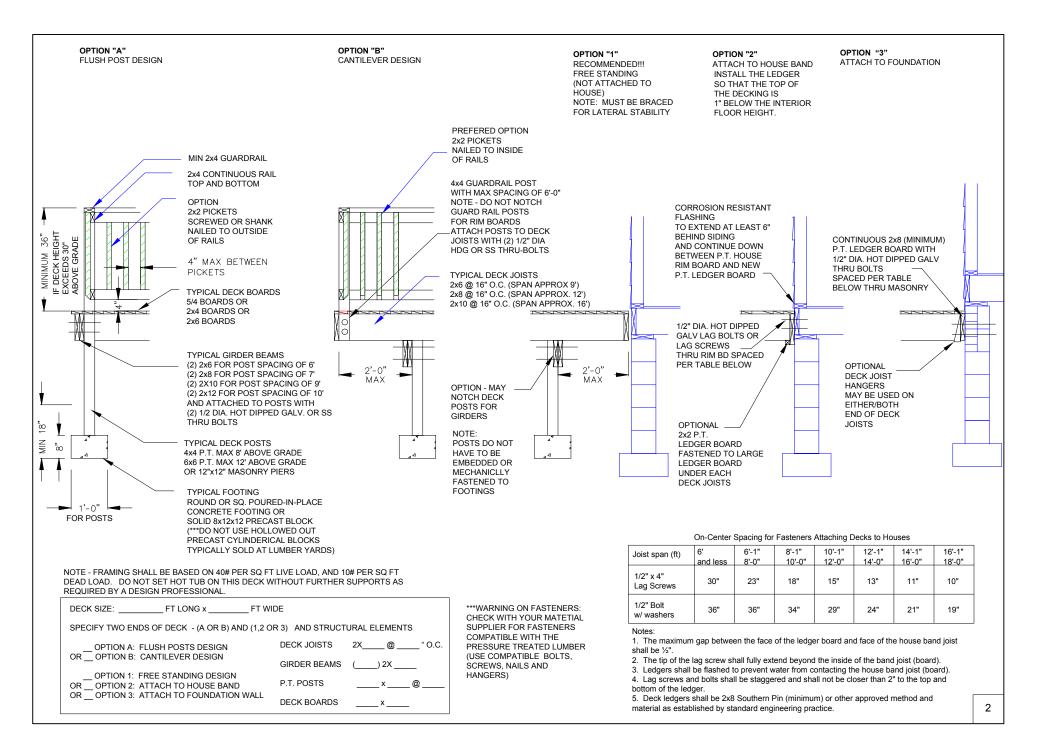
HOW TO DESIGN A DECK:

- 1. SKETCH YOUR PLAN (GRAPH PAPER MAY HELP), SHOW THE RELATIONSHIP OF YOUR EXISTING HOUSE TO THE NEW DECK. DRAW STAIRS. PRINT OVERALL DIMENSIONS ON YOUR PLAN. SHOW THE APPROXIMATE LOCATION OF YOUR POSTS. IF POSTS ARE MORE THAN 12' APART, ADD INTERMEDIATE POST(S) TO KEEP THE SPAN(S) SHORTER.
- 2. FOR YOUR CONVENIENCE, WE HAVE PROVIDED TYPICAL CROSS-SECTION SKETCHES ON SHEET 2. USE THEM IF YOU PREFER OR DESIGN YOUR OWN SKETCHES.
- 3. IF YOU CHOSE THE SKETCHES PROVIDED, SELECT THE CROSS-SECTION VIEW THAT MATCHES YOUR PLAN. THERE ARE TWO DESIGN OPTIONS (A OR B) FOR THE END OF THE DECK FARTHEST AWAY FROM THE HOUSE, AND THREE DESIGN OPTIONS (1,2 OR 3) FOR THE END OF THE DECK CLOSEST TO THE HOUSE.
- 4. WE HAVE PROVIDED YOU WITH TYPICAL WOOD MEMBER SIZES FOR YOUR REFERENCE.
- 5. PREPARE A PLAT PLAN (PROPERTY PLAN) SHOWING THE LOCATION OF YOUR HOUSE. THE DECK AND OTHER BUILDINGS IN RELATIONSHIP TO THE PROPERTY LINES. PROVIDE THE APPROXIMATE DIMENSIONS OF THE DECK TO THE PROPERTY LINES. (YOU PROBABLY RECEIVED A PLAT PLAN WHEN YOU PURCHASED YOUR HOUSE: USE IT AND DRAW ON THE DECK.)
- 6. SUBMIT 1 COPY OF YOUR PLAT PLAN, AND 2 COPIES OF THE DECK PLAN AND CROSS-SECTION DETAILS.
- 7. PAY THE PERMIT FEE.
- 8. YOU WILL NEED THE FOLLOWING INSPECTIONS: A. FOOTING HOLE INSPECTION PRIOR TO CONCRETE POUR.
 - B. FINAL INSPECTION.

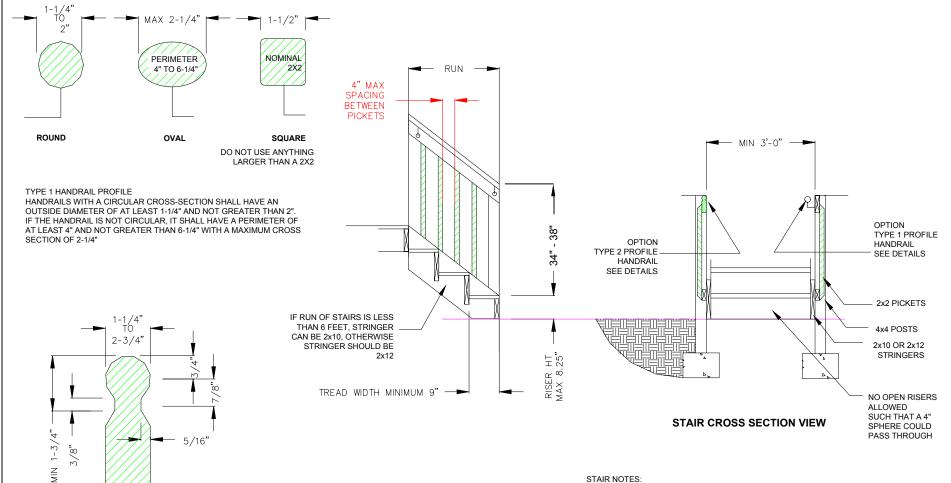


OPTION A
TYPICAL FLUSH PLAN

OPTION B
TYPICAL CANTILEVER PLAN



TYPICAL STAIR DETAILS



TYPE 2 HANDRAIL PROFILE

HANDRAILS WITH A PERIMETER GREATER THAN 6-1/4" SHALL PROVIDE A GRASPABLE FINGER RECESS ON BOTH SIDES OF THE PROFILE. THE FINGER RECESS SHALL:

1. BEGIN WITHIN A DISTANCE OF 3/4" MEASURED VERTICALLY FROM THE TALLEST PORTION OF THE PROFILE AND

RECTANGULAR

2. ACHIEVE A DEPTH OF AT LEAST 5/16" WITHIN 7/8" BELOW THE WIDEST PORTION OF THE PROFILE. THE REQUIRED DEPTH SHALL CONTINUE FOR AT LEAST 3/8" TO A LEVEL THAT IS NOT LESS THAN 1-3/4" BLEOW THE TALLEST PROTION OF THE PROFILE. THE MINIMUM WITDH OF THE HANDRAIL ABOVE THE RECESS SHALL BE 1-1/4" TO A MAXIMUM OF 2-3/4" EDGES SHALL HAVE A MINIMUM RADIUS OF .01"

- 1. HANDRAILS ARE REQUIRED IF STAIRWAY HAS FOUR OR MORE RISERS.
- 2. HANDRAILS TO BE 34-38" ABOVE NOSING OF STAIR ON AT LEAST ONE SIDE.
- 3. NO OPENINGS GREATER THAN 4" ARE ALLOWED IN RISERS.
- 4. REFER TO SHEET 2 FOR TYPICAL DECK DETAILS.
- 5. HANDRAIL PROFILE SHALL BE EITHER: TYPE 1 ROUND OR OVAL WITH BOTTOM SUPPORTING BRACKETS OR TYPE 2 CUSTOM DESIGNED WITH BUILT IN HAND HOLDS AS PRESCRIBED BY VIRGINIA CODE.

TYPICAL RAMP DETAILS

